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Resume of Young Sik Shin, 1991-02

Shin, Young Sik

Monterey, California: Naval Postgraduate School

RESUME OF YOUNG SIK SHIN

Young Sik Shin was born in Seoul, Korea on December 29, 1940. He attended Seoul National University and graduated in 1965, receiving a B.S. degree in Civil Engineering. During his school years, he served in the Korean Army for two years.

He came to the United States immediately after his graduation and attended graduate school at the University of Minnesota, majoring in structural engineering. He recieved a Master's degree in December 1966 and worked as a design engineer for eighteen months before he returned to graduate studies. He attended graduate school at Case Western Reserve University and received his Ph.D. degree in 1971.

In 1972, he joined the Bechtel Corporation in San Francisco and was involved in nuclear power plant component analysis and design. He was in charge of developing/maintaining a large scale finite element computer program for plant analysis.

In 1974, he joined the Components Technology Division of Argonne National Laboratories, Argonne, Illinois. He performed research as a principal investigator in the areas of flow-induced vibration in LMFBR steam generators, heat exchanger tube-to-baffle interactions, and high-cycle fatigue damage predictions of reactor components under the random vibration typical of flow excitation.

While at Argonne National Laboratories, he served as a technical advisor to the Department of Energy Source Evaluation Board for the development of steam generators for large-scale LMFBR plants.

In March 1979, he joined the Boiling Water Reactor and Containment Technology Division of the General Electric Company, San Jose, California. He was responsible for the development of fluid-structure interaction analysis techniques to evaluate and assess the structural safety of reactor vessel-pressure suppression pool in the loss of coolant accident situations.

While at General Electric, he was an Adjunct Professor of Mechanical Engineering at San Jose State University where he taught "Dynamics".

In December 1981, he joined the faculty of the Naval Postgraduate School, Monterey, California, where he is currently an Associate Professor of Mechanical Engineering. His current research interests and activities are the underwater shock response of submerged structures, modal testing for the determination of vibrational characteristics, and damping measurement of constrained layer material in high frequencies.

He is a member of the American Society of Mechanical Engineers, and a registered professional engineer in the states of California and Ohio. He is also a member of the Shock and Vibration Committee of the ASME Applied Mechanics Division.

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